

INVENTOR SEARCH

=> d ibib abs l27 1-2

L27 ANSWER 1 OF 2 HCPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2006:1354260 HCPLUS Full-text
 DOCUMENT NUMBER: 146:77615
 TITLE: Method for eliminating reactivity of
 lipoarabinomannan to Limulus reagent, and its
 application
 INVENTOR(S): Tanaka, Shigenori; Takahashi, Shoji
 PATENT ASSIGNEE(S): Seikagaku Corporation, Japan
 SOURCE: PCT Int. Appl., 38pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006137444	A1	20061228	WO 2006-JP312420	20060621
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 200901117661	A1	2009050507	US 2007-993214	20071219
US 7638340	B2	20091229		
PRIORITY APPLN. INFO.:			JP 2005-182667	A 20050622
			WO 2006-JP312420	W 20060621

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A method for eliminating the reactivity with Limulus reagent from
 lipoarabinomannan contained in a sample, which comprises at least a step for
 allowing the sample containing lipoarabinomannan to coexist together with a
 metal salt (e.g., metal sulfate, metal chloride, metal nitrate) or a buffer
 (e.g., TRIS, HEPES, N-Tris(hydroxymethyl)methyl-2-aminoethanesulfonic acid, 2-
 hydroxy-3-[4-(2-Hydroxyethyl)-1-piperazine]propanesulfonic acid monohydrate,
 N-[Tris(hydroxymethyl)methyl]glycine, N,N-Bis(2-hydroxyethyl)glycine,
 imidazole). Also provided is a method for assaying an endotoxin or detecting
 an endotoxin-associated disease by using the above-described method.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 2 HCPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:589327 HCPLUS Full-text
 DOCUMENT NUMBER: 143:112147
 TITLE: Method for measuring lipoarabinomannan, and
 its application
 INVENTOR(S): Tanaka, Shigenori; Takahashi, Shoji
 PATENT ASSIGNEE(S): Seikagaku Corporation, Japan

SOURCE: PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005062056	A1	20050707	WO 2004-JP19206	20041222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1710584	A1	20061011	EP 2004-807563	20041222
R: DE, FR, GB				
US 20070154979	A1	20070705	US 2006-584071	20060622
PRIORITY APPLN. INFO.:			JP 2003-425472	A 20031222
			WO 2004-JP19206	W 20041222

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A method of measuring lipocarabinomannan (LAM) and a method for detecting acid-fast bacteria (e.g., *Mycobacterium tuberculosis*) are provided, which comprise at least a step for effecting the contact of an LAM-containing sample with Limulus reagent. Also provided is a method for eliminating the reactivity of LAM with Limulus reagent, which comprises at least a step for effecting the presence of a specific substance (e.g., surfactant, anti-*Mycobacterium tuberculosis* antibody, anti- lipoarabinomannan antibody, (1 \rightarrow 3)- β -glucan, carboxymethylated (1 \rightarrow 3)- β -glucan, G-factor activation inhibitor, strongly alkaline substance, polymyxin B, colistin, Con A, histidine, histamine) in an LAM-containing sample. Further provided are a method of measuring endotoxin (Et) in an LAM-containing sample with Limulus reagent and a method for diagnosing an Et-associated disease, which comprises at least a step of for eliminating the reactivity of LAM with Limulus reagent by using the above elimination method. Still further provided are a method for measuring (1 \rightarrow 3)- β -glucan (BG) of an LAM-containing sample with Limulus reagent and a method for diagnosing mycotic disease, which comprises at least a step for eliminating the reactivity of LAM with Limulus reagent by using the above elimination method.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

RESULTS FROM SEARCHES IN REGISTRY, CAPLUS, MEDLINE, BIOSIS, EMBASE, AND DRUGU

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=> d que stat 151
L29      1 SEA FILE=REGISTRY ABB=ON  "POLYMYXIN B"/CN
L30      1 SEA FILE=REGISTRY ABB=ON  COLISTIN/CN
L31      1 SEA FILE=REGISTRY ABB=ON  "CONCANAVALIN A"/CN
L32      2 SEA FILE=REGISTRY ABB=ON  HISTIDINE/CN
L33      1 SEA FILE=REGISTRY ABB=ON  HISTAMINE/CN
L34      52 SEA FILE=HCAPLUS ABB=ON  ?LIMULUS?(W) ?REAGENT?
L35      2 SEA FILE=HCAPLUS ABB=ON  L34 AND ?LIPOARABINOMANNAN?
L36      52 SEA FILE=HCAPLUS ABB=ON  L34 OR L35
L38      1 SEA FILE=HCAPLUS ABB=ON  L36 AND ?TUBERCUL?
L39      52 SEA FILE=HCAPLUS ABB=ON  L36 OR L38
L40      2 SEA FILE=HCAPLUS ABB=ON  L39 AND (L29 OR ?POLYMICIN?(W) B OR
L30 OR ?COLISTIN? OR L31 OR ?CONCANAVALIN?(W)A OR L32 OR
?HISTIDINE? OR L33 OR ?HITAMINE?)
L41      52 SEA FILE=HCAPLUS ABB=ON  L39 OR L40
L42      6 SEA FILE=HCAPLUS ABB=ON  L41 AND (?SURFACTANT? OR ?DETERGENT?)

L43      52 SEA FILE=HCAPLUS ABB=ON  L41 OR L42
L44      47 SEA FILE=HCAPLUS ABB=ON  L43 AND (KIT OR ?ENDOTOX? OR ?REACTIV?
)
L46      5 SEA FILE=HCAPLUS ABB=ON  L44 AND (45 OR B(W)?GLUCAN)?
L47      3 SEA FILE=HCAPLUS ABB=ON  L46 AND (?ALKALIN? OR ?ACTIVAT?(4A)(?I
NHIBIT? OR ?LESS? OR ?REDUC?))
L48      5 SEA FILE=HCAPLUS ABB=ON  L46 OR L47
L49      5 SEA FILE=HCAPLUS ABB=ON  L48 AND (PRD<20041222 OR PD<20041222)
L50      1 SEA L49
L51      6 DUP REMOV L49 L50 (0 DUPLICATES REMOVED)
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=> d ibib abs 151 1-6
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L51 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:589327 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:112147
 TITLE: Method for measuring lipoarabinomannan, and
 its application
 INVENTOR(S): Tanaka, Shigenori; Takahashi, Shoji
 PATENT ASSIGNEE(S): Seikagaku Corporation, Japan
 SOURCE: PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005062056	A1	20050707	WO 2004-JP19206	20041222 <-
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,				

RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG

EP 1710584	A1	20061011	EP 2004-807563	20041222 <--
R: DE, FR, GB				
US 20070154979	A1	20070705	US 2006-584071	20060622 <--
PRIORITY APPLN. INFO.:			JP 2003-425472	A 20031222 <--
			WO 2004-JP19206	W 20041222

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A method of measuring lipoparabinomannan (LAM) and a method for detecting acid-fast bacteria (e.g., *Mycobacterium tuberculosis*) are provided, which comprise at least a step for effecting the contact of an LAM-containing sample with Limulus reagent. Also provided is a method for eliminating the reactivity of LAM with Limulus reagent, which comprises at least a step for effecting the presence of a specific substance (e.g., surfactant, anti-*Mycobacterium tuberculosis* antibody, anti- lipoarabinomannan antibody, (1-3)- β - glucan, carboxymethylated (1-3)- β - glucan, G-factor activation inhibitor, strongly alkaline substance, polymyxin B, colistin, Con A, histidine, histamine) in an LAM-containing sample. Further provided are a method of measuring endotoxin (Et) in an LAM-containing sample with Limulus reagent and a method for diagnosing an Et-associated disease, which comprises at least a step of for eliminating the reactivity of LAM with Limulus reagent by using the above elimination method. Still further provided are a method for measuring (1-3)- β -glucan (EG) of an LAM-containing sample with Limulus reagent and a method for diagnosing mycotic disease, which comprises at least a step for eliminating the reactivity of LAM with Limulus reagent by using the above elimination method.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 2 OF 6 EMBASE COPYRIGHT (c) 2010 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 1996140221 EMBASE Full-text

TITLE: Optimal design of a continuous measurement system for endotoxin concentration in dialysate fluid.

AUTHOR: Mizumoto, D. (correspondence); Yoshimi, Y.; Sukai, K.; Aketagawa, J.; Tanaka, S.

CORPORATE SOURCE: Department of Chemical Engineering, Waseda University, 3-4-1 Okubo, Shinjuku-ku, Tokyo 169, Japan.

SOURCE: Japanese Journal of Artificial Organs, (1996) Vol. 25, No. 1, pp. 98-101.

ISSN: 0300-0818 CODEN: JNZKA7

COUNTRY: Japan

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 027 Biophysics, Bioengineering and Medical Instrumentation

LANGUAGE: Japanese

SUMMARY LANGUAGE: English; Japanese

ENTRY DATE: Entered STN: 29 May 1996

Last Updated on STN: 29 May 1996

AB Endotoxin concentration in dialysate fluid should be frequently monitored but conventional limulus test needs complicated operation to prevent the contamination by atmospheric endotoxin. We have developed the flow type measurement system using single tube in which sample solution to reacted to limulus reagent without contact with atmosphere. The objective of the present study is to gain a sensitivity of the system to measure the endotoxin concentration ranging under 100 EU/l accurately. Batch reaction experiments and flow type measurements were performed to determine the optimal wavelength and the reaction experiments and flow type measurements were performed to determine the optimal wavelength and the reaction time for optimal operation

of the continuous system. The highest sensitivity is obtained at a wavelength of 381 nm for measuring the endotoxin concentration by limulus reagent. Proper reaction time differed depending on concentration range of samples. The sensitivity of measuring the endotoxin concentration ranging under 100 EU/l increased with reaction time. But longer reaction time in the flow type measurement system produces dispersion of the limulus reagent and lower sensitivity. Optimal reaction time of the flow type measurement system is then 45 min handy and exact measurements of the endotoxin concentration ranging above 50 EU/l were able by the condition of a wavelength of 381 nm and a reaction time of 45 min.

L51 ANSWER 3 OF 6 HCPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1995:795163 HCPLUS Full-text
 DOCUMENT NUMBER: 123:193032
 ORIGINAL REFERENCE NO.: 123:34253a,34256a
 TITLE: Method of assaying limulus reagent -reactive substance
 INVENTOR(S): Tamura, Hiroshi; Oda, Toshio; Tanaka, Shigenori
 PATENT ASSIGNEE(S): Seikagaku Corp., Japan
 SOURCE: PCT Int. Appl., 12 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9514931	A1	19950601	WO 1994-JP1973	19941122 <--
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 731353	A1	19960911	EP 1995-900933	19941122 <--
R: DE, FR, GB, IT, NL, SE				

PRIORITY APPLN. INFO.: JP 1993-314026 A 19931122 <--
 WO 1994-JP1973 W 19941122 <--

AB A method of determining the concentration of Limulus reagent- reactive substance (endotoxin or (1 → 3)- β -D-glucan) in a specimen by the turbidimetric Limulus test without being affected by any interfering substance with high sensitivity and high accuracy, which method comprises treating a specimen solution with a Limulus reagent to cause gelation and irradiating the resulting solution with the rays of light having a wavelength of 340-420 nm to detect the rise of the solution turbidity caused by the gelation.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 4 OF 6 HCPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1994:624181 HCPLUS Full-text
 DOCUMENT NUMBER: 121:224181
 ORIGINAL REFERENCE NO.: 121:40697a,40700a
 TITLE: Reagent, kit, and method for endotoxin assay using a limulus amebocyte lysate reagent and aprotinin as factor G activation inhibitor
 INVENTOR(S): Tanaka, Shigenori; Tamura, Hiroshi; Aita, Kazuhiro
 PATENT ASSIGNEE(S): Seikagaku Kogyo K. K., Japan
 SOURCE: Eur. Pat. Appl., 18 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 613004	A1	19940831	EP 1994-102889	19940225 <--
EP 613004	B1	19981223		
R: DE, DK, FR, GB, IT, SE				
JP 06258326	A	19940916	JP 1993-61464	19930226 <--
JP 3242733	B2	20011225		
CA 2116315	A1	19940827	CA 1994-2116315	19940223 <--
AU 9456406	A	19940901	AU 1994-56406	19940225 <--
AU 666605	B2	19960215		
CN 1105757	A	19950726	CN 1994-103286	19940226 <--
US 5695948	A	19971209	US 1996-661705	19960611 <--
US 5840510	A	19981124	US 1997-885176	19970630 <--
PRIORITY APPLN. INFO.:				
			JP 1993-61464	A 19930226 <--
			US 1994-202177	B1 19940225 <--
			US 1996-661705	A3 19960611 <--

AB This invention provides (1) a reagent for endotoxin assay which comprises aprotinin and a limulus amebocyte lysate reagent, (2) a kit for endotoxin assay which comprises the limulus amebocyte lysate reagent and a reagent containing aprotinin, (3) a method for assaying endotoxin in a sample using the limulus amebocyte lysate reagent in which aprotinin is added to the lysate reagent and/or the sample, (4) a method for assaying endotoxin in a serine protease-containing sample using the limulus amebocyte lysate reagent in which the sample is allowed to contact with an aprotinin-immobilized insol. carrier in advance of endotoxin assay, (5) a carrier for pretreating a serine protease-containing sample on which aprotinin is immobilized, (6) a method for inhibiting factor G activation in which aprotinin is added to the limulus amebocyte lysate reagent and (7) a factor G activation inhibitor which comprises aprotinin as an active ingredient. The endotoxin assay can be effected based on the factor C system reaction, without influences of factor G contained in the limulus amebocyte lysate reagent and/or serine proteases contained in samples. Endotoxin was determined using a reagent containing Tachypleus tridentatus lysate reagent, Boc-Leu-Gly-Arg-pNA, and aprotinin; β -glucan had no influence on the assay.

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
(4 CITINGS)

L51 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1994:26999 HCAPLUS Full-text
DOCUMENT NUMBER: 120:26999
ORIGINAL REFERENCE NO.: 120:4993a,4996a
TITLE: Pretreating reagent, method and kit and method of diagnosing infectious diseases
INVENTOR(S): Tanaka, Shigenori; Tamura, Hiroshi
PATENT ASSIGNEE(S): Seikagaku Kogyo Kabushiki Kaisha, Japan
SOURCE: Eur. Pat. Appl., 27 pp.
CODEN: EPXWDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 569033	A2	19931110	EP 1993-107479	19930507 <--
EP 569033	A3	19940406		
EP 569033	B1	19990804		
R: CH, DE, DK, ES, FR, GB, IT, LI, NL, SE				

10/584,071

1/26/10

JP 06070796	A	19940315	JP 1993-100426	19930402 <--
JP 3524120	B2	20040510		
CN 1087724	A	19940608	CN 1993-107076	19930508 <--
CN 1050905	C	20000329		
US 5389547	A	19950214	US 1993-58306	19930510 <--
JP 2004109147	A	20040408	JP 2004-5345	20040113 <--
JP 3614849	B2	20050126		

PRIORITY APPLN. INFO.: JP 1992-142010 A 19920508 <--
JP 1993-100426 A 19930402 <--

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Pretreatment reagent systems are disclosed for treating samples containing factor(s) interfering with the Limulus amebocyte lysate assays for endotoxin and/or (1→3)- β -D-glucan for diagnosing infectious diseases (e.g. by Gram-neg. bacteria or fungi). The pretreatment system contains a hexadimethrine compound and an alkali metal hydroxide. For assaying endotoxin, the system may further contain a nonionic or anionic surfactant and an alkaline earth metal halide. For assay β -glucan, the system may further contain an alkali metal halide. Assay kits are also described. The pretreatment does not require separation of any denatured product precipitate and allows β -glucan and endotoxin to be rapidly and efficiently assayed in blood-derived samples with high sensitivity. Platelet rich plasma samples were mixed with a solution containing KOH and polybrene and incubated at 37° for 10 min before assaying sep. for endotoxin and β -glucan using the Limulus reagent. Endotoxin was detected at high levels in patients suspected of having septicemia caused by Gram-neg. bacteria and β -glucan was detected at high levels in patients suspected of having fungal infection.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(9 CITINGS)

L51 ANSWER 6 OF 6 HCPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1992:485095 HCPLUS Full-text
DOCUMENT NUMBER: 117:85095
ORIGINAL REFERENCE NO.: 117:14735a,14738a
TITLE: Process for preparing Limulus amebocyte lysate for endotoxin determination
INVENTOR(S): Tanaka, Shigenori; Aketagawa, Jun; Shibata, Yuko
PATENT ASSIGNEE(S): Seikagaku Kogyo K. K., Japan
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9206381	A1	19920416	WO 1991-JP1308	19910927 <--
W: US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
JP 04134265	A	19920508	JP 1990-255201	19900927 <--
JP 3122454	B2	20010109		
EP 507952	A1	19921014	EP 1991-917028	19910927 <--
EP 507952	B1	19961227		
R: DE, ES, FR, GB, IT, NL, SE				
US 5401647	A	19950328	US 1992-859411	19920527 <--
PRIORITY APPLN. INFO.:			JP 1990-255201	A 19900927 <--
			WO 1991-JP1308	W 19910927 <--

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A process for producing a Limulus amebocyte lysate, which specifically reacts

with endotoxin, comprises bringing a Limulus amebocyte lysate into contact with an insol., immobilized (1 \rightarrow 3)- β -D-glucoside structure to remove a (1 \rightarrow 3)- β -D-glucan-sensitive factor (G factor) contained in the lysate. Since the resulting lysate is substantially free from the (1 \rightarrow 3)- β -D-glucan-sensitive G factor, it specifically reacts with an endotoxin present in biol. specimens (e.g. blood, urine, spinal fluid) to thereby allow the endotoxin to be assayed with high sensitivity. Thus, curdian hydrolyzed with formic acid was immobilized on cellulose to form a stationary phase, which was contacted with a crude Limulus amebocyte lysate preparation to remove interfering (1 \rightarrow 3)- β -D-glucan-sensitive factor (G factor). The Limulus test using the purified reagent is specific and highly sensitive.

OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
(3 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

SEARCH HISTORY

=> d his ful

(FILE 'HOME' ENTERED AT 11:15:58 ON 26 JAN 2010)

FILE 'HCAPLUS' ENTERED AT 15:17:06 ON 26 JAN 2010

E TANAKA SHIGENORI/AU
 L24 400 SEA ABB=ON "TANAKA SHIGENORI"/AU
 E TAKAHASHI SHOJI/AU
 L25 191 SEA ABB=ON "TAKAHASHI SHOJI"/AU
 L26 12 SEA ABB=ON L24 AND L25
 L27 2 SEA ABB=ON L26 AND ?LIPOARABINO?
 L28 ANALYZE L27 2 CT : 13 TERMS

FILE 'REGISTRY' ENTERED AT 15:20:12 ON 26 JAN 2010

E LIMULUS/CN
 E LIPOARABINOMANNAN/CN
 E LIPO-ARABINOMANNAN/CN
 E TB TOXIN/CN
 E POLYMYXIN B/CN
 L29 1 SEA ABB=ON "POLYMYXIN B"/CN
 E COLISTIN/CN
 L30 1 SEA ABB=ON COLISTIN/CN
 E CONCANAVALIN A/CN
 L31 1 SEA ABB=ON "CONCANAVALIN A"/CN
 E HISTIDINE/CN
 L32 2 SEA ABB=ON HISTIDINE/CN
 E HISTAMINE/CN
 L33 1 SEA ABB=ON HISTAMINE/CN

FILE 'HCAPLUS' ENTERED AT 15:23:04 ON 26 JAN 2010

L34 52 SEA ABB=ON ?LIMULUS?(W)?REAGENT?

FILE 'REGISTRY' ENTERED AT 15:24:03 ON 26 JAN 2010
E LIPOARABINOMANNAN/CN

FILE 'HCAPLUS' ENTERED AT 15:24:20 ON 26 JAN 2010
 L35 2 SEA ABB=ON L34 AND ?LIPOARABINOMANNAN?
 L36 52 SEA ABB=ON L34 OR L35
 L37 0 SEA ABB=ON L36 AND (?ANTI?(W)(TB OR ?TUBERCUL?)) (W) (?ANTIBOD?
 OR ?VACCIN?)
 L38 1 SEA ABB=ON L36 AND ?TUBERCUL?
 L39 52 SEA ABB=ON L36 OR L38
 L40 2 SEA ABB=ON L39 AND (L29 OR ?POLYMYXIN?(W)B OR L30 OR ?COLISTIN
 ? OR L31 OR ?CONCANAVALIN?(W)A OR L32 OR ?HISTIDINE? OR L33 OR
 ?HITAMINE?)
 L41 52 SEA ABB=ON L39 OR L40
 L42 6 SEA ABB=ON L41 AND (?SURFACTANT? OR ?DETERGENT?)
 L43 52 SEA ABB=ON L41 OR L42
 L44 47 SEA ABB=ON L43 AND (KIT OR ?ENDOTOX? OR ?REACTIV?)

FILE 'REGISTRY' ENTERED AT 15:28:49 ON 26 JAN 2010
E B-GLUCAN/CN

L45 1 SEA ABB=ON B-GLUCAN/CN

FILE 'HCAPLUS' ENTERED AT 15:29:04 ON 26 JAN 2010
L46 5 SEA ABB=ON L44 AND (45 OR B(W)?GLUCAN?)

L47 3 SEA ABB=ON L46 AND (?ALKALIN? OR ?ACTIVAT?(4A) (?INHIBIT? OR
?LESS? OR ?REDUC?))

L48 5 SEA ABB=ON L46 OR L47

L49 5 SEA ABB=ON L48 AND (PRD<20041222 OR PD<20041222)

FILE 'MEDLINE, BIOSIS, EMBASE, DRUGU' ENTERED AT 15:34:45 ON 26 JAN 2010
L50 1 SEA ABB=ON L49

FILE 'HCAPLUS, EMBASE' ENTERED AT 15:37:50 ON 26 JAN 2010
L51 6 DUP REMOV L49 L50 (0 DUPLICATES REMOVED)

FILE HOME

FILE HCAPLUS

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FILE COVERS 1907 - 26 Jan 2010 VOL 152 ISS 5
FILE LAST UPDATED: 25 Jan 2010 (20100125/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 JAN 2010 HIGHEST RN 1203540-14-0
DICTIONARY FILE UPDATES: 25 JAN 2010 HIGHEST RN 1203540-14-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE MEDLINE

FILE LAST UPDATED: 20 Jan 2010 (20100120/UP). FILE COVERS 1949 TO DATE.

MEDLINE and LMEDLINE have been updated with the 2010 Medical Subject Headings (MeSH) vocabulary and tree numbers from the U.S. National Library of Medicine (NLM). Additional information is available at

http://www.nlm.nih.gov/pubs/techbull/nd09/nd09_medicine_data_changes_2010.html

The Medline File has been reloaded effective January 24, 2010.

See HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

See HELP RANGE before carrying out any RANGE search.

FILE BIOSIS

FILE COVERS 1926 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNS) PRESENT FROM JANUARY 1926 TO DATE.

RECORDS LAST ADDED: 20 January 2010 (20100120/ED)

BIOSIS has been augmented with 1.8 million archival records from 1926 through 1968. These records have been re-indexed to match current BIOSIS indexing.

FILE EMBASE

FILE COVERS 1974 TO 25 Jan 2010 (20100125/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

For further assistance, please contact your local helpdesk.

FILE DRUGU

FILE LAST UPDATED: 20 JAN 2010 <20100120/UP>

>>> DERVENT DRUG FILE (SUBSCRIBER) <<<

>>> FILE COVERS 1983 TO DATE <<<

>>> THESAURUS AVAILABLE IN /CT <<<